

# Permit to Operate

**FACILITY:** N-877

**EXPIRATION DATE:** 07/31/200

**LEGAL OWNER OR OPERATOR:** TRI VALLEY GROWERS

**MAILING ADDRESS:** PO BOX 108  
THORNTON, CA 95686

**FACILITY LOCATION:** 26200 NOWELL ROAD  
THORNTON, CA 95686

**FACILITY DESCRIPTION:** FRUIT & VEGETABLE PROCESSING

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-0-1

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8]
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2]

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14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F]
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030]

## Initial TV Permit

33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. On October 6, 2000, the initial Title V permit was issued, the reporting period of the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-1-3

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 134 MMBTU/HR (106,000 LB STEAM/HR) INDUSTRIAL ENGINEERING BOILER (BOILER # 7) (MODEL # DS-35-112) SERVED BY A PEABODY (MODEL # APR) BURNER WITH A COMPU-NOX CONTROL SYSTEM AND INDUCED FLUE GAS RECIRCULATION.

## **PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NO<sub>x</sub> (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NO<sub>x</sub> emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, CO (ppmv) by EPA Method 10 (or CARB Method 100), and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40b do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

## Initial TV Permit

16. CO emissions concentration shall not exceed 200 ppmvd corrected to 3% O<sub>2</sub>. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emission concentration shall not exceed 0.005 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emission concentration shall not exceed 0.0006 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
19. The VOC emission concentration shall not exceed 0.0014 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
20. When performing source testing, NO<sub>x</sub> and CO emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of three (3) forty-minute test runs. This mean shall be multiplied by the appropriate factors. [District Rule 1081, District Rule 4305, 5.0, 8.2 and District Rule 4351, 8.1], [Federally Enforceable Through Title V]
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
23. The stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> shall be measured and recorded at least on a monthly basis using the Compu-NO<sub>x</sub> emissions analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The Compu-NO<sub>x</sub> emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. The permittee shall maintain records of the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 3% O<sub>2</sub>, and the O<sub>2</sub> concentration. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be made available for District inspection upon request. [District Rule 4305 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. If the NO<sub>x</sub> or CO concentrations, as measured by the Compu-NO<sub>x</sub> emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. If the Compu-NO<sub>x</sub> emissions analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing the test methods listed on this permit, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-2-3

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 132 MMBTU/HR (104,000 LB STEAM/HR) MURRAY BOILER (BOILER # 8) (SERIAL # 10642) SERVED BY A COEN (MODEL # DAZ-34) BURNER WITH A COMPU-NOX CONTROL SYSTEM AND INDUCED FLUE GAS RECIRCULATION.

**PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NO<sub>x</sub> (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NO<sub>x</sub> emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, CO (ppmv) by EPA Method 10 (or CARB Method 100), and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40b do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

## Initial TV Permit

16. CO emissions concentration shall not exceed 200 ppmvd corrected to 3% O<sub>2</sub>. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emission concentration shall not exceed 0.005 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emission concentration shall not exceed 0.0006 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
19. The VOC emission concentration shall not exceed 0.0014 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
20. When performing source testing, NO<sub>x</sub> and CO emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of three (3) forty-minute test runs. This mean shall be multiplied by the appropriate factors. [District Rule 1081, District Rule 4305, 5.0, 8.2 and District Rule 4351, 8.1], [Federally Enforceable Through Title V]
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
23. The stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> shall be measured and recorded at least on a monthly basis using the Compu-NO<sub>x</sub> emissions analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The Compu-NO<sub>x</sub> emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. The permittee shall maintain records of the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 3% O<sub>2</sub>, and the O<sub>2</sub> concentration. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be made available for District inspection upon request. [District Rule 4305 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. If the NO<sub>x</sub> or CO concentrations, as measured by the Compu-NO<sub>x</sub> emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. If the Compu-NO<sub>x</sub> emissions analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing the test methods listed on this permit, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]



**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-3-0

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

STORAGE TANK, HEATED FUEL OIL, 19,000 GALLONS \*\*\*\* DELETED, AS PER THE APPLICANT ON 12/10/97 \*\*\*\*

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Fuel oil number 6 temperature shall not exceed 160 degrees Fahrenheit. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-4-0

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

STORAGE TANK, HEATED FUEL OIL, 20,000 GALLONS \*\*\*\* DELETED, AS PER THE APPLICANT ON 12/10/97 \*\*\*\*

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Fuel oil number 6 temperature shall not exceed 160 degrees Fahrenheit. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-5-0

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

STORAGE TANK, HEATED FUEL OIL, 20,000 GALLONS \*\*\*\* DELETED, AS PER THE APPLICANT ON 12/10/97 \*\*\*\*

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Fuel oil number 6 temperature shall not exceed 160 degrees Fahrenheit. [ ]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-6-3

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 59.8 MMBTU/HR (47,211 LB STEAM/HR) BABCOCK & WILCOX BOILER (BOILER #1) (MODEL # FM) SERVED BY A BABCOCK & WILCOX BURNER WITH A COMPU-NOX CONTROL SYSTEM AND INDUCED FLUE GAS RECIRCULATION.

## **PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NOX) emissions shall not exceed 0.036 lb NOX/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NOX (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NOX emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, CO (ppmv) by EPA Method 10 (or CARB Method 100), and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

## Initial TV Permit

16. CO emissions concentration shall not exceed 47.3 ppmvd corrected to 3% O<sub>2</sub>. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emission concentration shall not exceed 0.014 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emission concentration shall not exceed 0.0006 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
19. The VOC emission concentration shall not exceed 0.0028 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
20. When performing source testing, NO<sub>x</sub> and CO emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of three (3) forty-minute test runs. This mean shall be multiplied by the appropriate factors. [District Rule 1081, District Rule 4305, 5.0, 8.2 and District Rule 4351, 8.1], [Federally Enforceable Through Title V]
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
23. The stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> shall be measured and recorded at least on a monthly basis using the Compu-NO<sub>x</sub> emissions analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The Compu-NO<sub>x</sub> emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. The permittee shall maintain records of the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 3% O<sub>2</sub>, and the O<sub>2</sub> concentration. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be made available for District inspection upon request. [District Rule 4305 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. If the NO<sub>x</sub> or CO concentrations, as measured by the Compu-NO<sub>x</sub> emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. If the Compu-NO<sub>x</sub> emissions analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing the test methods listed on this permit, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-7-3

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 47.8 MMBTU/HR (37,737 LB STEAM/HR) BABCOCK & WILCOX BOILER (BOILER #2) (MODEL # FM) SERVED BY A BABCOCK & WILCOX BURNER WITH A COMPU-NOX CONTROL SYSTEM AND INDUCED FLUE GAS RECIRCULATION.

**PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NO<sub>x</sub> (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NO<sub>x</sub> emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, CO (ppmv) by EPA Method 10 (or CARB Method 100), and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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16. CO emissions concentration shall not exceed 47.3 ppmvd corrected to 3% O<sub>2</sub>. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emission concentration shall not exceed 0.014 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emission concentration shall not exceed 0.0006 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
19. The VOC emission concentration shall not exceed 0.0028 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
20. When performing source testing, NO<sub>x</sub> and CO emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of three (3) forty-minute test runs. This mean shall be multiplied by the appropriate factors. [District Rule 1081, District Rule 4305, 5.0, 8.2 and District Rule 4351, 8.1], [Federally Enforceable Through Title V]
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
23. The stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> shall be measured and recorded at least on a monthly basis using the Compu-NO<sub>x</sub> emissions analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The Compu-NO<sub>x</sub> emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. The permittee shall maintain records of the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 3% O<sub>2</sub>, and the O<sub>2</sub> concentration. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be made available for District inspection upon request. [District Rule 4305 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. If the NO<sub>x</sub> or CO concentrations, as measured by the Compu-NO<sub>x</sub> emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. If the Compu-NO<sub>x</sub> emissions analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing the test methods listed on this permit, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-877-8-3

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

BABCOCK & WILCOX 53.2 MMBTU/HR BOILER (BOILER #3).

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NO<sub>x</sub> (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NO<sub>x</sub> emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]



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16. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305 and District Rule 4351. [District Rules 4305, 4351, and 2520], [Federally Enforceable Through Title V]
17. No modification to this unit shall be performed without an Authority to Construct for that modification, except for changes specified in condition 18 below. [District Rule 2010], [Federally Enforceable Through Title V]
18. The natural gas fuel line shall be physically disconnected from this unit. [District Rules 4305 and 4351]
19. Emissions from this unit shall not exceed 400 ppmvd @ 3% for CO. [District Rules 4351 and 4305]
20. A source test shall be performed within 60 days of recommencing operation of this unit. [District Rule 1081], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-9-4

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 72 MMBTU/HR (56,842 LB STEAM/HR) BABCOCK & WILCOX BOILER (MODEL # FM) SERVED BY A COEN (MODEL # DAZ-26) BURNER WITH A COMPU-NOX CONTROL SYSTEM AND INDUCED FLUE GAS RECIRCULATION.

**PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Unit shall be fired on PUC-regulated natural gas only. [District NSR Rule, District Rule 4301, 5.2.1 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
3. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301, and San Joaquin County Rule 408], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and San Joaquin County Rules 108.1], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. Operator shall perform annual source testing for NO<sub>x</sub> (ppmv) according to EPA Method 7E (or CARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or CARB Method 100), NO<sub>x</sub> emission rate (heat input basis) by EPA Method 19, stack gas velocities by EPA Method 2, CO (ppmv) by EPA Method 10 (or CARB Method 100), and stack gas moisture content by EPA Method 4. Gaseous fired units shall test at least once every 36 months if compliance is shown for 2 consecutive years. Test results submitted to the District from individual units that are identical to a group of units, in terms of rated capacity, operational conditions, fuel used, and control method, may satisfy these requirements. [District Rule 4305, 6.2.2, 6.2.4-7 and 4351, 6.2.2 & 6.2.4-7, & 6.3], [Federally Enforceable Through Title V]
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1], [Federally Enforceable Through Title V]
8. Operator shall monitor and record for each unit the hhv and cumulative annual use of fuel. [District Rule 4351, 6.1.1], [Federally Enforceable Through Title V]
9. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
15. The requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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16. CO emissions concentration shall not exceed 200 ppmvd corrected to 3% O<sub>2</sub>. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emission concentration shall not exceed 0.014 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emission concentration shall not exceed 0.0006 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
19. The VOC emission concentration shall not exceed 0.0028 lb/MMBTU. [District NSR Rule], [Federally Enforceable Through Title V]
20. When performing source testing, NO<sub>x</sub> and CO emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of three (3) forty-minute test runs. This mean shall be multiplied by the appropriate factors. [District Rule 1081, District Rule 4305, 5.0, 8.2 and District Rule 4351, 8.1], [Federally Enforceable Through Title V]
21. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
22. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
23. The stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> shall be measured and recorded at least on a monthly basis using the Compu-NO<sub>x</sub> emissions analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The Compu-NO<sub>x</sub> emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. The permittee shall maintain records of the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 3% O<sub>2</sub>, and the O<sub>2</sub> concentration. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be made available for District inspection upon request. [District Rule 4305 and 2520, 9.4.2], [Federally Enforceable Through Title V]
30. If the NO<sub>x</sub> or CO concentrations, as measured by the Compu-NO<sub>x</sub> emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. If the Compu-NO<sub>x</sub> emissions analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing the test methods listed on this permit, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-11-1

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) 121 HP CATERPILLAR MODEL 3208 DIESEL FIRED IC ENGINE SERVING AN EMERGENCY FIRE PUMP

**PERMIT UNIT REQUIREMENTS**

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1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201 and San Joaquin County Rule 404], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [District Rule 4801 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Records of operating hours shall be kept for units operating less than 200 hours per year. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes, shall not exceed 200 hours per year. [District Rule 2520, 9.4.2]
8. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-877-12-1

**EXPIRATION DATE:** 07/31/2005

**EQUIPMENT DESCRIPTION:**

ONE (1) TOMATO ROASTER MANUFACTURED BY FEMCO WITH A 2.5 MMBTU/HR MAXON BURNER (MODEL LINOFLAME).

**PERMIT UNIT REQUIREMENTS**

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  2. The roaster shall be operated on PUC-regulated natural gas only. [District NSR Rule], [Federally Enforceable Through Title V]
  3. The burner shall be operated within manufacturer's specifications to minimize NOx emissions. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The emission concentrations from the combustion of natural gas shall not exceed the following: 0.0053 pounds VOC per MMBtu, 0.1 pounds NOx per MMBtu, 0.3 pounds CO per MMBtu, 0.012 pounds PM10 per MMBtu, nor 0.0006 pounds SOx per MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
  5. The annual heat input to this roaster shall not exceed 7,380 MMBtu per year. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The facility shall maintain records of the annual heat input into this roaster. The records shall be maintained on the premises and made readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
  7. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and San Joaquin County Rule 407], [Federally Enforceable Through Title V]
  8. The operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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